Masayuki Yamamoto

List of Publications by Year
in descending order

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442	78,528	385	494
papers	citations	134 h-index	269 g-index

472	472	472	53297
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	An Nrf2/Small Maf Heterodimer Mediates the Induction of Phase II Detoxifying Enzyme Genes through Antioxidant Response Elements. Biochemical and Biophysical Research Communications, 1997, 236, 313-322.	1.0	3,495
2	Keap1 represses nuclear activation of antioxidant responsive elements by Nrf2 through binding to the amino-terminal Neh2 domain. Genes and Development, 1999, 13, 76-86.	2.7	3,000
3	The selective autophagy substrate p62 activates the stress responsive transcription factor Nrf2 through inactivation of Keap1. Nature Cell Biology, 2010, 12, 213-223.	4.6	1,933
4	Homeostatic Levels of p62 Control Cytoplasmic Inclusion Body Formation in Autophagy-Deficient Mice. Cell, 2007, 131, 1149-1163.	13.5	1,925
5	Oxidative Stress Sensor Keap1 Functions as an Adaptor for Cul3-Based E3 Ligase To Regulate Proteasomal Degradation of Nrf2. Molecular and Cellular Biology, 2004, 24, 7130-7139.	1.1	1,878
6	Direct evidence that sulfhydryl groups of Keap1 are the sensors regulating induction of phase 2 enzymes that protect against carcinogens and oxidants. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 11908-11913.	3.3	1,719
7	Nrf2â€“Keap1 defines a physiologically important stress response mechanism. Trends in Molecular Medicine, 2004, 10, 549-557.	3.5	1,529
8	Transcription Factor Nrf2 Coordinately Regulates a Group of Oxidative Stress-inducible Genes in Macrophages. Journal of Biological Chemistry, 2000, 275, 16023-16029.	1.6	1,297
9	Nrf2 suppresses macrophage inflammatory response by blocking proinflammatory cytokine transcription. Nature Communications, 2016, 7, 11624.	5.8	1,238
10	Molecular mechanisms of the Keap1-Nrf2 pathway in stress response and cancer evolution. Genes To Cells, 2011, 16, 123-140.	0.5	1,215
11	Nrf2 Redirects Glucose and Glutamine into Anabolic Pathways in Metabolic Reprogramming. Cancer Cell, 2012, 22, 66-79.	7.7	1,113
12	The KEAP1-NRF2 System: a Thiol-Based Sensor-Effector Apparatus for Maintaining Redox Homeostasis. Physiological Reviews, 2018, 98, 1169-1203.	13.1	1,067
13	Sensitivity to carcinogenesis is increased and chemoprotective efficacy of enzyme inducers is lost in nrf2 transcription factor-deficient mice. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 3410-3415.	3.3	1,036
14	Keap1-dependent Proteasomal Degradation of Transcription Factor Nrf2 Contributes to the Negative Regulation of Antioxidant Response Element-driven Gene Expression. Journal of Biological Chemistry, 2003, 278, 21592-21600.	1.6	963
15	Identification of Nrf2-regulated genes induced by the chemopreventive agent sulforaphane by oligonucleotide microarray. Cancer Research, 2002, 62, 5196-203.	0.4	947
16	Protection against electrophile and oxidant stress by induction of the phase 2 response: Fate of cysteines of the Keap1 sensor modified by inducers. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 2040-2045.	3.3	895
17	Phosphorylation of p62 Activates the Keap1-Nrf2 Pathway during Selective Autophagy. Molecular Cell, 2013, 51, 618-631.	4.5	880
18	Nrf2 is a critical regulator of the innate immune response and survival during experimental sepsis. Journal of Clinical Investigation, 2006, 116, 984-995.	3.9	874

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19	Keap1-null mutation leads to postnatal lethality due to constitutive Nrf2 activation. Nature Genetics, 2003, 35, 238-245.	9.4	782
20	Oxidative and Electrophilic Stresses Activate Nrf2 through Inhibition of Ubiquitination Activity of Keap1. Molecular and Cellular Biology, 2006, 26, 221-229.	1.1	775
21	Genetic ablation of Nrf2 enhances susceptibility to cigarette smokeâ€“induced emphysema in mice. Journal of Clinical Investigation, 2004, 114, 1248-1259.	3.9	763
22	Molecular basis of the Keap1â€“Nrf2 system. Free Radical Biology and Medicine, 2015, 88, 93-100.	1.3	762
23	Keap1 regulates both cytoplasmic-nuclear shuttling and degradation of Nrf2 in response to electrophiles. Genes To Cells, 2003, 8, 379-391.	0.5	698
24	High Sensitivity of Nrf2 Knockout Mice to Acetaminophen Hepatotoxicity Associated with Decreased Expression of ARE-Regulated Drug Metabolizing Enzymes and Antioxidant Genes. Toxicological Sciences, 2001, 59, 169-177.	1.4	663
25	Cancer related mutations in NRF2 impair its recognition by Keap1-Cul3 E3 ligase and promote malignancy. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 13568-13573.	3.3	634
26	Structural Basis for Defects of Keap1 Activity Provoked by Its Point Mutations in Lung Cancer. Molecular Cell, 2006, 21, 689-700.	4.5	631
27	Role of NRF2 in Protection Against Hyperoxic Lung Injury in Mice. American Journal of Respiratory Cell and Molecular Biology, 2002, 26, 175-182.	1.4	626
28	The Molecular Mechanisms Regulating the KEAP1-NRF2 Pathway. Molecular and Cellular Biology, 2020, 40, .	1.1	620
29	Modulation of Gene Expression by Cancer Chemopreventive Dithiolethiones through the Keap1-Nrf2 Pathway. Journal of Biological Chemistry, 2003, 278, 8135-8145.	1.6	611
30	Keap1 Recruits Neh2 through Binding to ETGE and DLG Motifs: Characterization of the Two-Site Molecular Recognition Model. Molecular and Cellular Biology, 2006, 26, 2887-2900.	1.1	610
31	Activity and tissue-specific expression of the transcription factor NF-E1 multigene family.. Genes and Development, 1990, 4, 1650-1662.	2.7	601
32	Bach Proteins Belong to a Novel Family of BTB-Basic Leucine Zipper Transcription Factors That Interact with MafK and Regulate Transcription through the NF-E2 Site. Molecular and Cellular Biology, 1996, 16, 6083-6095.	1.1	573
33	Hemoprotein Bach1 regulates enhancer availability of heme oxygenase-1 gene. EMBO Journal, 2002, 21, 5216-5224.	3.5	567
34	Toward clinical application of the Keap1â€“Nrf2 pathway. Trends in Pharmacological Sciences, 2013, 34, 340-346.	4.0	564
35	The Antioxidant Defense System Keap1-Nrf2 Comprises a Multiple Sensing Mechanism for Responding to a Wide Range of Chemical Compounds. Molecular and Cellular Biology, 2009, 29, 493-502.	1.1	560
36	A cross-population atlas of genetic associations for 220 human phenotypes. Nature Genetics, 2021, 53, 1415-1424.	9.4	560

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37	Loss of Keap1 Function Activates Nrf2 and Provides Advantages for Lung Cancer Cell Growth. Cancer Research, 2008, 68, 1303-1309.	0.4	559
38	Genetic ablation of Nrf2 enhances susceptibility to cigarette smokeâ€“induced emphysema in mice. Journal of Clinical Investigation, 2004, 114, 1248-1259.	3.9	535
39	Disruption of Nrf2 enhances susceptibility to severe airway inflammation and asthma in mice. Journal of Experimental Medicine, 2005, 202, 47-59.	4.2	529
40	Enhanced Expression of the Transcription Factor Nrf2 by Cancer Chemopreventive Agents: Role of Antioxidant Response Element-Like Sequences in the nrf2 Promoter. Molecular and Cellular Biology, 2002, 22, 2883-2892.	1.1	527
41	Persistent activation of Nrf2 through p62 in hepatocellular carcinoma cells. Journal of Cell Biology, 2011, 193, 275-284.	2.3	520
42	Defining roles of specific reactive oxygen species (ROS) in cell biology and physiology. Nature Reviews Molecular Cell Biology, 2022, 23, 499-515.	16.1	469
43	Scaffolding of Keap1 to the actin cytoskeleton controls the function of Nrf2 as key regulator of cytoprotective phase 2 genes. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 2046-2051.	3.3	466
44	Heme mediates derepression of Maf recognition element through direct binding to transcription repressor Bach1. EMBO Journal, 2001, 20, 2835-2843.	3.5	448
45	Antioxidants Enhance Mammalian Proteasome Expression through the Keap1-Nrf2 Signaling Pathway. Molecular and Cellular Biology, 2003, 23, 8786-8794.	1.1	446
46	Electrophile Response Element-mediated Induction of the Cystine/Glutamate Exchange Transporter Gene Expression. Journal of Biological Chemistry, 2002, 277, 44765-44771.	1.6	443
47	Physiological Significance of Reactive Cysteine Residues of Keap1 in Determining Nrf2 Activity. Molecular and Cellular Biology, 2008, 28, 2758-2770.	1.1	441
48	Regulation of transcription by dimerization of erythroid factor NF-E2 p45 with small Maf proteins. Nature, 1994, 367, 568-572.	13.7	428
49	Genetic Alteration of Keap1 Confers Constitutive Nrf2 Activation and Resistance to Chemotherapy in Gallbladder Cancer. Gastroenterology, 2008, 135, 1358-1368.e4.	0.6	424
50	The Transcription Factor Nrf2 Is a Therapeutic Target against Brain Inflammation. Journal of Immunology, 2008, 181, 680-689.	0.4	424
51	Dimerization of Substrate Adaptors Can Facilitate Cullin-mediated Ubiquitylation of Proteins by a â€œTetheringâ€•Mechanism. Journal of Biological Chemistry, 2006, 281, 24756-24768.	1.6	422
52	Two domains of Nrf2 cooperatively bind CBP, a CREB binding protein, and synergistically activate transcription. Genes To Cells, 2001, 6, 857-868.	0.5	415
53	Integration and diversity of the regulatory network composed of Maf and CNC families of transcription factors. Gene, 2002, 294, 1-12.	1.0	412
54	Loss of the Nrf2 transcription factor causes a marked reduction in constitutive and inducible expression of the glutathione S-transferase Gsta1, Gsta2, Gstm1, Gstm2, Gstm3 and Gstm4 genes in the livers of male and female mice. Biochemical Journal, 2002, 365, 405-416.	1.7	399

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55	Two-site substrate recognition model for the Keap1-Nrf2 system: a hinge and latch mechanism. Biological Chemistry, 2006, 387, 1311-20.	1.2	397
56	Cloning and Characterization of a Novel Erythroid Cell-Derived CNC Family Transcription Factor Heterodimerizing with the Small Maf Family Proteins. Molecular and Cellular Biology, 1995, 15, 4184-4193.	1.1	395
57	Keap1 degradation by autophagy for the maintenance of redox homeostasis. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 13561-13566.	3.3	394
58	Transcription Factor Nrf2 Regulates Inflammation by Mediating the Effect of 15-Deoxy-Î” 12,14 -Prostaglandin J 2. Molecular and Cellular Biology, 2004, 24, 36-45.	1.1	383
59	Genome-wide association study identifies 112 new loci for body mass index in the Japanese population. Nature Genetics, 2017, 49, 1458-1467.	9.4	380
60	Different Electrostatic Potentials Define ETGE and DLG Motifs as Hinge and Latch in Oxidative Stress Response. Molecular and Cellular Biology, 2007, 27, 7511-7521.	1.1	370
61	The KEAP1â€“NRF2 System in Cancer. Frontiers in Oncology, 2017, 7, 85.	1.3	370
62	Hepatocyte-specific deletion of the keap1 gene activates Nrf2 and confers potent resistance against acute drug toxicity. Biochemical and Biophysical Research Communications, 2006, 339, 79-88.	1.0	356
63	The power of genetic diversity in genome-wide association studies of lipids. Nature, 2021, 600, 675-679.	13.7	353
64	Rare variant discovery by deep whole-genome sequencing of 1,070 Japanese individuals. Nature Communications, 2015, 6, 8018.	5.8	352
65	Redox-regulated Turnover of Nrf2 Is Determined by at Least Two Separate Protein Domains, the Redox-sensitive Neh2 Degron and the Redox-insensitive Neh6 Degron. Journal of Biological Chemistry, 2004, 279, 31556-31567.	1.6	336
66	Nrf2 Is Essential for the Chemopreventive Efficacy of Oltipraz against Urinary Bladder Carcinogenesis. Cancer Research, 2004, 64, 6424-6431.	0.4	325
67	Functional polymorphisms in the transcription factor NRF2 in humans increase the risk of acute lung injury. FASEB Journal, 2007, 21, 2237-2246.	0.2	325
68	Nrf2-dependent protection from LPS induced inflammatory response and mortality by CDDO-Imidazolide. Biochemical and Biophysical Research Communications, 2006, 351, 883-889.	1.0	321
69	The transcription factor NRF2 protects against pulmonary fibrosis. FASEB Journal, 2004, 18, 1258-1260.	0.2	320
70	Targeting Nrf2 with the triterpenoid CDDO- imidazolide attenuates cigarette smoke-induced emphysema and cardiac dysfunction in mice. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 250-255.	3.3	318
71	Role of Transcription Factor Nrf2 in the Induction of Hepatic Phase 2 and Antioxidative Enzymes in vivo by the Cancer Chemoprotective Agent, 3H-1, 2-Dithiole-3-thione. Molecular Medicine, 2001, 7, 135-145.	1.9	317
72	Nrf2â€“MafG heterodimers contribute globally to antioxidant and metabolic networks. Nucleic Acids Research, 2012, 40, 10228-10239.	6.5	317

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73	Nrf2-deficient female mice develop lupus-like autoimmune nephritis11See Editorial by Byrd and Thomas, p. 1606.. Kidney International, 2001, 60, 1343-1353.	2.6	313
74	Stress-sensing mechanisms and the physiological roles of the Keap1â€“Nrf2 system during cellular stress. Journal of Biological Chemistry, 2017, 292, 16817-16824.	1.6	311
75	Dysfunction of fibroblasts of extrarenal origin underlies renal fibrosis and renal anemia in mice. Journal of Clinical Investigation, 2011, 121, 3981-3990.	3.9	307
76	Large-scale genome-wide association study in a Japanese population identifies novel susceptibility loci across different diseases. Nature Genetics, 2020, 52, 669-679.	9.4	304
77	Nrf2 regulates microglial dynamics and neuroinflammation in experimental Parkinson's disease. Glia, 2010, 58, 588-598.	2.5	301
78	Identification of the interactive interface and phylogenic conservation of the Nrf2-Keap1 system. Genes To Cells, 2002, 7, 807-820.	0.5	298
79	Erythroid transcription factor GATA-1 is abundantly transcribed in mouse testis. Nature, 1993, 362, 466-468.	13.7	296
80	Small Maf proteins serve as transcriptional cofactors for keratinocyte differentiation in the Keap1-Nrf2 regulatory pathway. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 6379-6384.	3.3	293
81	Nrf2-deficient mice are highly susceptible to cigarette smoke-induced emphysema. Genes To Cells, 2005, 10, 1113-1125.	0.5	293
82	NRF2 Modulates Aryl Hydrocarbon Receptor Signaling: Influence on Adipogenesis. Molecular and Cellular Biology, 2007, 27, 7188-7197.	1.1	283
83	Accelerated DNA Adduct Formation in the Lung of the Nrf2 Knockout Mouse Exposed to Diesel Exhaust. Toxicology and Applied Pharmacology, 2001, 173, 154-160.	1.3	275
84	Oxidative and electrophilic stress induces multidrug resistance-associated protein transporters via the nuclear factor-E2-related factor-2 transcriptional pathway. Hepatology, 2007, 46, 1597-1610.	3.6	275
85	Nrf1 and Nrf2 Play Distinct Roles in Activation of Antioxidant Response Element-dependent Genes. Journal of Biological Chemistry, 2008, 283, 33554-33562.	1.6	275
86	Pharmacodynamic characterization of chemopreventive triterpenoids as exceptionally potent inducers of Nrf2-regulated genes. Molecular Cancer Therapeutics, 2007, 6, 154-162.	1.9	268
87	The Keap1-Nrf2 System Prevents Onset of Diabetes Mellitus. Molecular and Cellular Biology, 2013, 33, 2996-3010.	1.1	265
88	Molecular Cloning and Functional Characterization of a New Cap'n' Collar Family Transcription Factor Nrf3. Journal of Biological Chemistry, 1999, 274, 6443-6452.	1.6	254
89	p62/Sqstm1 promotes malignancy of HCV-positive hepatocellular carcinoma through Nrf2-dependent metabolic reprogramming. Nature Communications, 2016, 7, 12030.	5.8	253
90	Genetic Evidence that Small Maf Proteins Are Essential for the Activation of Antioxidant Response Element-Dependent Genes. Molecular and Cellular Biology, 2005, 25, 8044-8051.	1.1	250

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91	The world according to Maf. Nucleic Acids Research, 1997, 25, 2953-2959.	6.5	248
92	Role of Nrf2 in prevention of high-fat diet-induced obesity by synthetic triterpenoid CDDO-Imidazolide. European Journal of Pharmacology, 2009, 620, 138-144.	1.7	248
93	Transcription factor Nrf2 is required for the constitutive and inducible expression of multidrug resistance-associated protein1 in mouse embryo fibroblasts. Biochemical and Biophysical Research Communications, 2003, 310, 824-829.	1.0	247
94	Genetic versus chemoprotective activation of Nrf2 signaling: overlapping yet distinct gene expression profiles between Keap1 knockout and triterpenoid-treated mice. Carcinogenesis, 2009, 30, 1024-1031.	1.3	243
95	A Comprehensive Genomic Analysis Reveals the Genetic Landscape of Mitochondrial Respiratory Chain Complex Deficiencies. PLoS Genetics, 2016, 12, e1005679.	1.5	236
96	The Tohoku Medical Megabank Project: Design and Mission. Journal of Epidemiology, 2016, 26, 493-511.	1.1	236
97	Dietary Sulforaphane-Rich Broccoli Sprouts Reduce Colonization and Attenuate Gastritis inHelicobacter pyloriâ€“Infected Mice and Humans. Cancer Prevention Research, 2009, 2, 353-360.	0.7	228
98	Validation of the multiple sensor mechanism of the Keap1-Nrf2 system. Free Radical Biology and Medicine, 2012, 53, 817-827.	1.3	227
99	Transcription Factor Nrf2 Plays a Pivotal Role in Protection against Elastase-Induced Pulmonary Inflammation and Emphysema. Journal of Immunology, 2005, 175, 6968-6975.	0.4	219
100	Nrf2 Prevents Initiation but Accelerates Progression through the Kras Signaling Pathway during Lung Carcinogenesis. Cancer Research, 2013, 73, 4158-4168.	0.4	208
101	The aryl hydrocarbon receptor AhR links atopic dermatitis and air pollution via induction of the neurotrophic factor artemin. Nature Immunology, 2017, 18, 64-73.	7.0	204
102	Characterizations of Three Major Cysteine Sensors of Keap1 in Stress Response. Molecular and Cellular Biology, 2016, 36, 271-284.	1.1	203
103	Kinetic, Thermodynamic, and Structural Characterizations of the Association between Nrf2-DLGex Degron and Keap1. Molecular and Cellular Biology, 2014, 34, 832-846.	1.1	202
104	Keap1 is a forked-stem dimer structure with two large spheres enclosing the intervening, double glycine repeat, and C-terminal domains. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 2842-2847.	3.3	199
105	Differential Responses of the Nrf2-Keap1 System to Laminar and Oscillatory Shear Stresses in Endothelial Cells. Journal of Biological Chemistry, 2005, 280, 27244-27250.	1.6	198
106	Role of Nrf2 in protection against intracerebral hemorrhage injury in mice. Free Radical Biology and Medicine, 2007, 43, 408-414.	1.3	198
107	Genetic Analysis of Cytoprotective Functions Supported by Graded Expression of Keap1. Molecular and Cellular Biology, 2010, 30, 3016-3026.	1.1	198
108	Genome-wide meta-analysis identifies 127 open-angle glaucoma loci with consistent effect across ancestries. Nature Communications, 2021, 12, 1258.	5.8	196

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109	Elevated IgG4 concentrations in serum of patients with Mikulicz's disease. Scandinavian Journal of Rheumatology, 2004, 33, 432-433.	0.6	195
110	A Remote GATA2 Hematopoietic Enhancer Drives Leukemogenesis in inv(3)(q21;q26) by Activating EVI1 Expression. Cancer Cell, 2014, 25, 415-427.	7.7	194
111	Role of reactive oxygen species in modulation of Nrf2 following ischemic reperfusion injury. Neuroscience, 2007, 147, 53-59.	1.1	192
112	DNA methyltransferase 3a regulates osteoclast differentiation by coupling to an S-adenosylmethionineâ€“producing metabolic pathway. Nature Medicine, 2015, 21, 281-287.	15.2	190
113	Regulation of Notch1 Signaling by Nrf2: Implications for Tissue Regeneration. Science Signaling, 2010, 3, ra52.	1.6	189
114	Evolutionary conserved N-terminal domain of Nrf2 is essential for the Keap1-mediated degradation of the protein by proteasome. Archives of Biochemistry and Biophysics, 2005, 433, 342-350.	1.4	187
115	Fundamental Biological Features of Spaceflight: Advancing the Field to Enable Deep-Space Exploration. Cell, 2020, 183, 1162-1184.	13.5	185
116	BRG1 Interacts with Nrf2 To Selectively Mediate HO-1 Induction in Response to Oxidative Stress. Molecular and Cellular Biology, 2006, 26, 7942-7952.	1.1	183
117	The Keap1â€“Nrf2 system and diabetes mellitus. Archives of Biochemistry and Biophysics, 2015, 566, 76-84.	1.4	182
118	Nrf2-deficiency creates a responsive microenvironment for metastasis to the lung. Carcinogenesis, 2010, 31, 1833-1843.	1.3	181
119	NRF2 Mutation Confers Malignant Potential and Resistance to Chemoradiation Therapy in Advanced Esophageal Squamous Cancer. Neoplasia, 2011, 13, 864-IN26.	2.3	181
120	Molecular Mechanism of Cellular Oxidative Stress Sensing by Keap1. Cell Reports, 2019, 28, 746-758.e4.	2.9	179
121	Accumulation of p62/<scp>SQSTM</scp>1 is associated with poor prognosis in patients with lung adenocarcinoma. Cancer Science, 2012, 103, 760-766.	1.7	177
122	Small Maf proteins (MafF, MafG, MafK): History, structure and function. Gene, 2016, 586, 197-205.	1.0	174
123	Gut microbiome-derived phenyl sulfate contributes to albuminuria in diabetic kidney disease. Nature Communications, 2019, 10, 1835.	5.8	173
124	Interactive effects of nrf2 genotype and oltipraz on benzo[a]pyrene-DNA adducts and tumor yield in mice. Carcinogenesis, 2003, 24, 461-467.	1.3	169
125	Identification of 28 new susceptibility loci for type 2 diabetes in the Japanese population. Nature Genetics, 2019, 51, 379-386.	9.4	164
126	Identification of Bach2 as a B-cell-specific partner for small Maf proteins that negatively regulate the immunoglobulin heavy chain gene 3' enhancer. EMBO Journal, 1998, 17, 5734-5743.	3.5	162

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127	Nrf2 Protects Pancreatic Î²-Cells From Oxidative and Nitrosative Stress in Diabetic Model Mice. Diabetes, 2014, 63, 605-618.	0.3	162
128	Roles of Hematopoietic Transcription Factors GATA-1 and GATA-2 in the Development of Red Blood Cell Lineage. Acta Haematologica, 2002, 108, 237-245.	0.7	160
129	Plasticity of Renal Erythropoietin-Producing Cells Governs Fibrosis. Journal of the American Society of Nephrology: JASN, 2013, 24, 1599-1616.	3.0	160
130	Ubiquitin accumulation in autophagy-deficient mice is dependent on the Nrf2-mediated stress response pathway: a potential role for protein aggregation in autophagic substrate selection. Journal of Cell Biology, 2010, 191, 537-552.	2.3	156
131	Transcription factor Nrf2 hyperactivation in early-phase renal ischemia-reperfusion injury prevents tubular damage progression. Kidney International, 2017, 91, 387-401.	2.6	154
132	Targeting Nrf2-Mediated Gene Transcription by Extremely Potent Synthetic Triterpenoids Attenuate Dopaminergic Neurotoxicity in the MPTP Mouse Model of Parkinson's Disease. Antioxidants and Redox Signaling, 2013, 18, 139-157.	2.5	150
133	Constitutive Expression of Aryl Hydrocarbon Receptor in Keratinocytes Causes Inflammatory Skin Lesions. Molecular and Cellular Biology, 2005, 25, 9360-9368.	1.1	144
134	Disruption of Nrf2 Impairs the Resolution of Hyperoxia-Induced Acute Lung Injury and Inflammation in Mice. Journal of Immunology, 2009, 182, 7264-7271.	0.4	144
135	Genetic or Pharmacologic Amplification of Nrf2 Signaling Inhibits Acute Inflammatory Liver Injury in Mice. Toxicological Sciences, 2008, 104, 218-227.	1.4	143
136	Environmental pollutants and the immune response. Nature Immunology, 2020, 21, 1486-1495.	7.0	143
137	Adipose Deficiency of Nrf2 in ob/ob Mice Results in Severe Metabolic Syndrome. Diabetes, 2013, 62, 845-854.	0.3	141
138	Erythropoietin Synthesis in Renal Myofibroblasts Is Restored by Activation of Hypoxia Signaling. Journal of the American Society of Nephrology: JASN, 2016, 27, 428-438.	3.0	137
139	Positive or Negative MARE-Dependent Transcriptional Regulation Is Determined by the Abundance of Small Maf Proteins. Cell, 2000, 103, 865-876.	13.5	136
140	Identification of six new genetic loci associated with atrial fibrillation in the Japanese population. Nature Genetics, 2017, 49, 953-958.	9.4	136
141	Characterizing rare and low-frequency height-associated variants in the Japanese population. Nature Communications, 2019, 10, 4393.	5.8	123
142	Identification of polymorphisms in the promoter region of the human NRF2 gene. Biochemical and Biophysical Research Communications, 2004, 321, 72-79.	1.0	122
143	Cytoprotective role of Nrf2/Keap1 system in methylmercury toxicity. Biochemical and Biophysical Research Communications, 2007, 363, 645-650.	1.0	122
144	Japonica array: improved genotype imputation by designing a population-specific SNP array with 1070 Japanese individuals. Journal of Human Genetics, 2015, 60, 581-587.	1.1	120

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145	Nuclear factor erythroid-derived factor 2-related factor 2 regulates transcription of CCAAT/enhancer-binding protein Î² during adipogenesis. Free Radical Biology and Medicine, 2012, 52, 462-472.	1.3	119
146	Role of transcription factor Nrf2 in the induction of hepatic phase 2 and antioxidative enzymes in vivo by the cancer chemoprotective agent, 3H-1, 2-dimethiole-3-thione. Molecular Medicine, 2001, 7, 135-45.	1.9	118
147	Halofuginone enhances the chemo-sensitivity of cancer cells by suppressing NRF2 accumulation. Free Radical Biology and Medicine, 2017, 103, 236-247.	1.3	117
148	Subcellular localization and cytoplasmic complex status of endogenous Keap1. Genes To Cells, 2007, 12, 1163-1178.	0.5	116
149	3.5KJPNv2: an allele frequency panel of 3552 Japanese individuals including the X chromosome. Human Genome Variation, 2019, 6, 28.	0.4	115
150	GATA2 is required for the generation of V2 interneurons. Development (Cambridge), 2000, 127, 3829-3838.	1.2	114
151	Role of 15-DeoxyÎ”12,14Prostaglandin J2and Nrf2 Pathways in Protection against Acute Lung Injury. American Journal of Respiratory and Critical Care Medicine, 2005, 171, 1260-1266.	2.5	111
152	Cohort Profile: Tohoku Medical Megabank Project Birth and Three-Generation Cohort Study (TMM) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 2020, 49, 18-19m.	0.9	107
153	jMorp updates in 2020: large enhancement of multi-omics data resources on the general Japanese population. Nucleic Acids Research, 2021, 49, D536-D544.	6.5	107
154	Notch-Nrf2 Axis: Regulation of Nrf2 Gene Expression and Cytoprotection by Notch Signaling. Molecular and Cellular Biology, 2014, 34, 653-663.	1.1	105
155	Genetic and Pharmacologic Evidence Links Oxidative Stress to Ventilator-induced Lung Injury in Mice. American Journal of Respiratory and Critical Care Medicine, 2007, 176, 1222-1235.	2.5	103
156	The Mouse GATA-2 Gene is Expressed in the Para-Aortic Splanchnopleura and Aorta-Gonads and Mesonephros Region. Blood, 1999, 93, 4196-4207.	0.6	102
157	Regulatory Nexus of Synthesis and Degradation Deciphers Cellular Nrf2 Expression Levels. Molecular and Cellular Biology, 2013, 33, 2402-2412.	1.1	101
158	Nrf2-Mediated Regulation of Skeletal Muscle Glycogen Metabolism. Molecular and Cellular Biology, 2016, 36, 1655-1672.	1.1	101
159	CombinatorialGata2and Sca1 expression defines hematopoietic stem cells in the bone marrow niche. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 2202-2207.	3.3	100
160	iJGVD: an integrative Japanese genome variation database based on whole-genome sequencing. Human Genome Variation, 2015, 2, 15050.	0.4	100
161	The KEAP1â€“NRF2 System as a Molecular Target of Cancer Treatment. Cancers, 2021, 13, 46.	1.7	100
162	Alternative Promoters Regulate Transcription of the Mouse GATA-2 Gene. Journal of Biological Chemistry, 1998, 273, 3625-3634.	1.6	99

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